

Title (en)  
Material conveying apparatus

Title (de)  
Apparat zur Zufuhr von Material

Title (fr)  
Appareil pour transporter du matériau

Publication  
**EP 0574916 B1 19971022 (EN)**

Application  
**EP 93109705 A 19930617**

Priority  
JP 15925792 A 19920618

Abstract (en)  
[origin: EP0574916A2] A material conveying apparatus. A pair of winding and guiding rollers are spaced apart from a rotating drum. The winding and guiding rollers are adapted to guide a material according to the curvature of the rotating drum and wind it around a part of the outer circumference thereof. At least one nipping roller is in contact with the outer circumference of the rotating drum. The at least one nipping roller has an elastic member which deforms according to the curvature of the outer circumference of the rotating drum. In addition, the at least one nipping roller has a plurality of roller portions disposed along the axial line of the rotating drum. Each of the roller portions is independently rotatable. At a material winding portion defined by the pair of winding and guiding rollers, the at least one nipping roller is pressed into contact with the outer circumference of the rotating drum at a material winding portion by the pair of winding and guiding rollers, so that the at least one nipping roller rotates correspondingly with respect to the rotating drum at the material winding portion, the material is nipped between the rotating drum and the at least one nipping roller, and the nipping roller applying conveying force to the material. <IMAGE>

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**B65H 20/02**

IPC 8 full level  
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CPC (source: EP US)  
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Cited by  
US6081352A; US5713504A; EP0680912A3; EP0743271A3; EP0675630A3; US5617986A; US6529295B1; WO9710670A3

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